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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/540,731	06/24/2005	Stephane Taunier	16721-0280 (42528-316590)	9086
23370 JOHN S. PRA	7590 01/16/2007 ГТ, ESO	1	EXAMINER WONG, EDNA ART UNIT PAPER NUMBER 1753	
KILPATRICK	STOCKTON, LLP			
ATLANTA, G	REE STREET A 30309			
SHORTENED STATUTOR	RY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MC	NTHS	01/16/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

		Application No.	Applicant(s)	
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	Office Action Summary	10/540,731	TAUNIER ET AL.	
	Office Action Summary	Examiner	Art Unit	
		Edna Wong	1753	
Period fo	The MAILING DATE of this communication or Reply	appears on the cover sheet wit	h the correspondence address	
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR RECHEVER IS LONGER, FROM THE MAILING assions of time may be available under the provisions of 37 CF SIX (6) MONTHS from the mailing date of this communication of period for reply is specified above, the maximum statutory per to reply within the set or extended period for reply will, by streply received by the Office later than three months after the red patent term adjustment. See 37 CFR 1.704(b).	G DATE OF THIS COMMUNIC R 1.136(a). In no event, however, may a re n. eriod will apply and will expire SIX (6) MONT tatute, cause the application to become ABA	ATION. ply be timely filed "HS from the mailing date of this communicate ANDONED (35 U.S.C. § 133).	
Status				
1) 又	Responsive to communication(s) filed on 2	28 November 2006		
,	• • • • • • • • • • • • • • • • • • • •	This action is non-final.		
	Since this application is in condition for allo		ers, prosecution as to the merits	is
	closed in accordance with the practice und	ler <i>Ex parte Quayle</i> , 1935 C.D.	11, 453 O.G. 213.	
Dispositi	on of Claims			
5)□ 6)⊠ 7)□	Claim(s) 11-20 is/are pending in the applic 4a) Of the above claim(s) is/are with Claim(s) is/are allowed. Claim(s) 11-20 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction are	drawn from consideration.		
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	on Papers			
10)	The specification is objected to by the Exar The drawing(s) filed on is/are: a) Applicant may not request that any objection to Replacement drawing sheet(s) including the co The oath or declaration is objected to by the	accepted or b) objected to be the drawing(s) be held in abeyand rection is required if the drawing(s)	ce. See 37 CFR 1.85(a). s) is objected to. See 37 CFR 1.121	
Priority u	ınder 35 U.S.C. § 119			
12)⊠ a)[Acknowledgment is made of a claim for fore All b) Some * c) None of: 1. Certified copies of the priority docum 2. Certified copies of the priority docum 3. Copies of the certified copies of the papplication from the International Bustee the attached detailed Office action for a	nents have been received. nents have been received in Ap priority documents have been r reau (PCT Rule 17.2(a)).	oplication No received in this National Stage	
Attachmen	• •	0 T 1-1	mmon (DTO 442)	
2) 🔲 Notic 3) 🔲 Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date) Paper No(s)	ımmary (PTO-413) /Mail Date ormal Patent Application -	

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This is in response to the Amendment dated November 28, 2006. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

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Response to Arguments

Claim Rejections - 35 USC § 112

Claims 12-15, 17 and 19 have been rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The rejection of claims 12-15, 17 and 19 under 35 U.S.C. 112, second paragraph, has been withdrawn in view of Applicants' amendment.

Response to Amendment

Claim Rejections - 35 USC § 112

Claims 11-20 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 11

line 1, recites "a I-III-VI_y compound".

line 8, recites "the I-III-VI_v compound".

The definitions of I and III are missing in the claim.

Allowable Subject Matter

The following is a statement of reasons for the indication of allowable subject matter:

Claims 11-20 define over the prior art of record because the prior art does not teach or suggest a method of producing a I-III-VI_y compound in thin film form by electrochemistry, in which y is close to 2 and VI is an element comprising selenium (I is copper, silver or gold; and III is boron, aluminum, gallium, indium or thallium) [from the Periodic Table of Elements], comprising the steps of (a) providing, (b) applying and (c) regenerating as presently claimed, esp., the step of regenerating the selenium in active form in the electrolysis bath.

The prior art does not contain any language that teaches or suggests the above.

Nakamura et al. teaches the electrodeposition of Cu-In-Se films with an aqueous solution containing CuCl₂, InCl₃ and SeO₂ (abstract). Nakamura et al. do not teach regenerating the selenium in active form in the electrolysis bath.

Wang et al. teaches that Se can be re-oxidized to Se(IV) by H_2O_2 (abstract). Wang et al. do not teach electrolysis or an electrolysis bath.

Therefore, a person skilled in the art would not have been motivated to adopt the above conditions, and a prima facie case of obviousness cannot be established.

Claims 11-20 would be allowable if rewritten or amended to overcome the

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rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edna Wong whose telephone number is (571) 272-1349. The examiner can normally be reached on Mon-Fri 7:30 am to 4:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nam Nguyen can be reached on (571) 272-1342. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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Edna Wong Primary Examiner Art Unit 1753

EW January 8, 2006